

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20050228206").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/09 15:35
S2	850	585/805,812,815.cds.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 15:26
S3	873	paraxylene and ammonia	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 15:39
S4	29	S2 and S3	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 15:39
S5	13	paraxylene and ammonia	EPO; JPO; DERWENT	OR	ON	2007/05/03 15:40
S6	11	((("3177265") or ("5448005") or ("4331826") or ("3067270") or ("3662562") or ("3541804") or ("3722229") or ("4116652")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/20 13:37
S7	0	GB-11596970-\$.did.	EPO; JPO; DERWENT	OR	OFF	2007/05/03 15:48
S8	1	("5329061").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/03 16:58
S9	2	("3411309").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/03 17:45
S10	467	ammonia with absorption with refrigeration	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/03 17:46
S11	117	S10 and crystallization	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 17:46
S12	100	S11 and xylene	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 17:46
S13	603	ammonia adj absorption	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 09:08
S14	2377	absorption adj refrigeration	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 09:09
S15	112	S13 and S14	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 09:10
S16	3	S15 and (crystallization or paraxylene or ethylbenzene or xylene)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 09:12

## EAST Search History

S17	168968	ammonia with water	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 09:12
S18	850	585/805,812,815.cds.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 10:14
S19	22	S17 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 09:12
S20	27	("1976204"   "3299669"   "3316728"   "3334492"   "3486848"   "3501493"   "3592016"   "4129583"   "4199961"   "4452621"   "4840652"   "5016445"   "5027616").PN. OR ("5409505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/04 10:00
S21	181	S18 and paraxylene	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 10:15
S22	147	S21 and crystallization	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 11:08
S23	2	("3,177,265").PN.	USPAT; USOCR	OR	OFF	2007/05/04 10:46
S24	2	("2,794,832").PN.	USPAT; USOCR	OR	OFF	2007/05/04 12:51
S25	0	("heatwithexchangewithbetweenwithstrea ms").PN.	USPAT; USOCR	OR	OFF	2007/05/04 12:51
S26	1042	heat with exchange with between with streams	USPAT; USOCR	OR	OFF	2007/05/04 12:52
S27	195	heat with exchange with between with streams with process	USPAT; USOCR	OR	OFF	2007/05/04 12:53
S28	51	S27 and heat.ab. and exchange\$.ab.	USPAT; USOCR	OR	OFF	2007/05/04 12:53
S29	603	ammonia adj absorption	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/09 15:35
S30	151	(ammonia adj absorption) with refrigera\$6	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/09 15:46
S31	2	S30 and crystallization	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/09 15:36
S32	927	(ammonia with absorption) with refrigera\$6	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/09 16:02
S33	130	S32 and crystallization	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/09 16:03

## EAST Search History

S34	331	(ammonia with absorption) with refrigera\$6	EPO; JPO; DERWENT	OR	ON	2007/05/09 16:02
S35	8	S34 and crystallization	EPO; JPO; DERWENT	OR	ON	2007/05/09 16:03
S36	1	("5811629").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/09 16:50
S37	348	203/48.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/09 16:52
S38	12	S37 and paraxylene	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/09 16:52
S39	2	("2809815").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/20 13:37
S40	362	585/812.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 12:39
S41	28378	ammonia.dlm.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 12:40
S42	2	S40 and S41	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 12:40